

**Table 1 - Quantity of Bank and Sediment Material Generated during the month of April
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity of Excavated Bank and Sediment Material		
Date	Location	non-TSCA	TSCA	NAPL impacted
Bank Soil and Sediment				
04/03/03	Cell 10A	560		
04/07/03	Cell 10A	14		
04/14/03	Cell 12		910	
04/15/03	Cell 12	644	266	
04/16/03	Cell 12	28	112	
04/30/03	Cell 11		224	
	Monthly total from bank soil and sediment	1246	1512	0

Note:

All quantities are in compacted or "in-place" cubic yards. All loads are estimated at 14cy per truck.

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity of Bank and Sediment Material Excavated to Date			
Date	Location	non-TSCA	TSCA	NAPL impacted	Total
09/26/02 to 10/02/02	Cell 1A	101	0	53	154
10/02/02 to 10/04/02	Cell 1B	60	0	110	170
10/18/02 to 10/29/02	Cell 2	874	175	0	1,049
11/11/02 to 11/15/02	Cell 3	183	0	200	383
11/18/02 to 11/25/02	Cell 4	2,283	198	0	2,481
12/03/02 to 12/10/02	Cell 5	1,629	369	0	1,998
01/07/03 to 01/15/03	Cell 6	832	658	0	1,490
01/10/03 to 01/29/03	Cell 6A	2,611	68	0	2,679
02/03/03 to 02/10/03	Cell 7&7A	1,114	636	0	1,750
02/20/03 to 02/24/03	Cell 5A	899	0	0	899
02/25/03 to 03/07/03	Cell 8&8A	1,245	90	0	1,335
03/14/03 to 03/18/03	Cell 9	603	307	0	910
03/27/03 to 04/07/03	Cell 10&10A	1,730	133	0	1,863
04/14/03 to 04/16/03	Cell 12	668	1,354	0	2,022
	Total	14,832	3,988	363	19,183

Note:

All quantities determined by pre- and post- excavation surveying.

**Table 3 - Quantity of Material Transferred to OPCAs During the Month of April
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	# of truckloads	Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
Bank Soil and Sediment			
04/07/03	33		363
04/08/03	37		407
04/09/03	60	660	
04/10/03	56	616	
04/11/03	45	495	
04/14/03	23		253
04/15/03	2	22	
04/16/03	72	792	
04/17/03	59	341	308
04/18/03	51	154	407
Monthly totals	438	3080 (1)	1738 (1)

Note:

All quantities are in compacted or "in-place" cubic yards.

(1) Estimated at 11 cy per truck.

**Table 4 - Quantity of Material Transferred to OPCAs to Date
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	Location	Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
Site Preparation Activities			
09/11/02	Building 65 Stockpile Management Area	225	
Bank Soil and Sediment			
12/05/02 to 12/19/02	Stockpile Management Area/Excavation Cells	4,718 (1)	910 (1)
02/11/03 to 02/28/03	Stockpile Management Area/Excavation Cells	5,137 (2)	539 (2)
03/03/03 to 03/14/03	Stockpile Management Area/Excavation Cells	1,749 (2)	1,353(2)
04/07/03 to 04/18/03	Stockpile Management Area/Excavation Cells	2,710 (3)	1,698 (3)
04/07/03 to 04/18/03	Stockpile Management Area/Cleanup Material	370 (3)	40 (3)
Project Totals		14,909	4,540

Note:

All quantities are in compacted or "in-place" cubic yards.

- (1) Estimated at 14cy per truck, loaded with excavator.
- (2) Estimated at 11cy per truck due to loading out frozen material.
- (3) Estimated at 11cy per truck, loaded with front end loader.

**Table 5 - NPDES Sampling Results for Water Treatment System
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per billion, ppb)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, & 1248	Aroclor 1242	Aroclor 1254	Aroclor 1260	Total PCBs
H2-WW000001-0-3A24	Influent	4/24/2003	ND(0.012)	ND(0.012)	0.026	0.013	0.039
H2-WW000002-0-3A24	Intermediate	4/24/2003	ND(0.012)	ND(0.012)	0.020	ND(0.012)	0.020
H2-WW000003-0-3A24	Effluent	4/24/2003	ND(0.012)	ND(0.012)	0.040	ND(0.012)	0.040
Action Level	Effluent		0.50	0.50	0.50	0.50	0.50

Notes:

ND(0.012) - Analyte was not detected. The value in parentheses is the associated detection limit.

Intermediate - sample collected between carbon units which are being operated in series.

J - Indicates an estimated value

4/24/03 - monthly sampling

**Table 5a - NPDES non-PCB Sampling Results for Water Treatment System
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per billion, ppb)

Sample ID	H2-WW000001-0-3M27	H2-WW000002-0-3M27	H2-WW000003-0-3M27
Sample type	Influent	Intermediate	Effluent
Date Collected	3/27/2003	3/27/2003	3/27/2003
Analyte			
APP IX SEMIVOLATILES			
	All Non-Detects	All Non-Detects	All Non-Detects
APP IX VOLATILES			
CHLOROFORM	ND	ND	0.26J
TERT-BUTYL METHYL ETHER	0.51 J	3.7	3.0
METALS			
BARIUM	17.8	---	ND
COPPER	3.2	---	ND
LEAD	3.7	---	ND
ZINC	7.9	---	9.5
ORGANIC			
PETROLEUM HYDROCARBON	ND	ND	ND

NOTES:

Intermediate - sample collected between carbon units which are being operated in series.

Only detected constituents are summarized

ND - not detected

--- not sampled

J - Indicates an estimated value

NPDES Permit Regulatory Effluent Limits
100
70
100
100
50
500
5000

Table 6 - Backfill Material Testing Results
April 2003 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000032-0-3A02	H2-OT000032-1-3A02	H2-OT000050-0-3A02	H2-OT000050-0-3A14	Regulatory Limits (1)
Sample type	Filter Layer A	Filter Layer A(duplicate)	Common Fill	Common Fill	
Date Collected	04/02/2003	04/02/2003	04/02/2003	04/14/2003	
Analyte					
APP IX SEMIVOLATILES					
BIS(2-ETHYLHEXYL) PHTHALATE	ND	0.016 J	---	---	100
APP IX VOLATILES					
ACETONE	0.0061	0.0064	---	---	3
METHYLENE CHLORIDE	ND	0.001 J	---	---	0.1
NAPHTHALENE	ND	0.0015 J	---	---	4
METALS					
ARSENIC	2.0	2.2	---	---	30
BARIUM	25.1	29.4	---	---	1000
BERYLLIUM	0.35	0.25	---	---	0.7
CADMIUM	0.26	0.15			30
CHROMIUM	8.7	5.2	---	---	1000
COBALT	9.5	9.0	---	---	500
COPPER	15.3	9.8	---	---	1000
LEAD	4.3	5.5	---	---	300
NICKEL	16.4	8.6	---	---	300
VANADIUM	11.0	7.1	---	---	400
ZINC	51.3	28.8	---	---	2500
ORGANIC					
PETROLEUM HYDROCARBON	ND	ND	ND	ND	200*
PCBS					
PCB, TOTAL	ND	ND	ND	ND	0.1*

Notes:

Only detected constituents are summarized

J - Indicates an estimated value

ND - not detected

--- not sampled

(2) - Massachusetts contingency plan S-1 limits

* - Project specific acceptable levels for backfill

NA - S-1 standard not available for this compound

**Table 7 - Daily Air Monitoring Results
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date Collected	Sample Location	Average Site Concentration (mg/m³)	Average Period (Hours:Min)
4/1/2003	Upwind	0.014	7:00
	Downwind	--	--
	Background	--	--
4/2/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/3/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/4/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/7/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/8/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/9/2003	Upwind	0.013	8:00
	Downwind	0.013	8:00
	Background	--	--
4/10/2003	Upwind	0.007	6:00
	Downwind	0.000	7:00
	Background	--	--
4/11/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/14/2003	Upwind	0.009	8:00
	Downwind	0.000	7:00
	Background	--	--
4/15/2003	Upwind	0.003	9:00
	Downwind	0.025	9:00
	Background	--	--
4/16/2003	Upwind	0.011	8:00
	Downwind	0.056	8:00
	Background	--	--
4/17/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/18/2003	Upwind	0.018	24:00
	Downwind	0.006	44:00
	Background	--	--

**Table 7 - Daily Air Monitoring Results
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date Collected	Sample Location	Average Site Concentration (mg/m³)	Average Period (Hours:Min)
4/21/2003	Upwind	--	--
	Downwind	--	--
	Background	--	--
4/22/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/23/2003	Upwind	0.007	8:00
	Downwind	0.002	8:00
	Background	--	--
4/24/2003	Upwind	0.008	6:00
	Downwind	0.004	6:00
	Background	--	--
4/25/2003	Upwind	0.002	10:00
	Downwind	0.004	10:00
	Background	--	--
4/28/2003	Upwind	0.003	8:00
	Downwind	0.007	8:00
	Background	--	--
4/29/2003	Upwind	0.000	8:00
	Downwind	0.006	8:00
	Background	--	--
4/30/2003	Upwind	0.000	8:00
	Downwind	--	--
	Background	--	--
notification level		0.120	
action level		0.150	

Notes:

N/A - Not available due to precipitation

--- - No reading due to technical difficulties with monitoring equipment

**Table 8 - Daily Water Column Turbidity Monitoring Results
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date	Flow at Coltsville	Location	Turbidity		
			Average	High	Low
4/1/2003	371	Upstream of Lyman Street Bridge	8.8	12.5	6.4
		Upstream of Elm Street Bridge	0.4	3.7	-0.6
4/2/2003	304	Upstream of Lyman Street Bridge	7.0	9.5	5.3
		Upstream of Elm Street Bridge	1.1	6.2	-0.9
4/3/2003	341	Upstream of Lyman Street Bridge	6.3	11.2	4.8
		Upstream of Elm Street Bridge	0.8	4.0	-0.9
4/4/2003	358	Upstream of Lyman Street Bridge	11.1	72.4	4.6
		Upstream of Elm Street Bridge	1.1	5.2	-1.5
4/7/2003	186	Upstream of Lyman Street Bridge	88.1	844.3	4.7
		Upstream of Elm Street Bridge	-0.7	3.5	-2.1
4/8/2003	172	Upstream of Lyman Street Bridge	6.2	9.7	4.0
		Upstream of Elm Street Bridge	1.0	7.6	-1.7
4/9/2003	152	Upstream of Lyman Street Bridge	5.6	8.5	3.8
		Upstream of Elm Street Bridge	1.4	18.8	-1.6
4/10/2003	133	Upstream of Lyman Street Bridge	5.1	6.7	4.0
		Upstream of Elm Street Bridge	3.1	18.3	-1.7
4/11/2003	180	Upstream of Lyman Street Bridge	5.0	8.2	3.5
		Upstream of Elm Street Bridge	2.0	10.0	-0.5
4/14/2003	224	Upstream of Lyman Street Bridge	5.8	7.9	3.9
		Upstream of Elm Street Bridge	0.6	9.0	-1.9
4/15/2003	212	Upstream of Lyman Street Bridge	5.0	7.8	3.9
		Upstream of Elm Street Bridge	0.9	5.2	-1.9
4/16/2003	308	Upstream of Lyman Street Bridge	5.4	8.2	3.8
		Upstream of Elm Street Bridge	3.5	22.5	-0.1
4/17/2003	247	Upstream of Lyman Street Bridge	5.7	7.1	4.5
		Upstream of Elm Street Bridge	1.0	4.9	-1.0
4/18/2003	154	Upstream of Lyman Street Bridge	5.8	10.1	4.6
		Upstream of Elm Street Bridge	1.9	5.9	-1.0
4/21/2003	120	Upstream of Lyman Street Bridge	5.1	7.2	4.3
		Upstream of Elm Street Bridge	6.6	12.2	2.5
4/22/2003	122	Upstream of Lyman Street Bridge	7.7	9.9	6.0
		Upstream of Elm Street Bridge	9.1	17.2	5.8
4/23/2003	120	Upstream of Lyman Street Bridge	8.3	10.5	7.3
		Upstream of Elm Street Bridge	11.5	19.3	8.7
4/24/2003	83	Upstream of Lyman Street Bridge	9.0	12.5	7.7
		Upstream of Elm Street Bridge	12.7	16.2	11.6
4/25/2003	77	Upstream of Lyman Street Bridge	8.2	10.4	7.0
		Upstream of Elm Street Bridge	16.4	19.8	13.9
4/28/2003	90	Upstream of Lyman Street Bridge	5.7	6.3	5.2
		Upstream of Elm Street Bridge	51.7	389.3	18.5
4/29/2003	77	Upstream of Lyman Street Bridge	5.2	6.1	4.7
		Upstream of Elm Street Bridge	23.4	24.6	22.1

**Table 8 - Daily Water Column Turbidity Monitoring Results
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date	Flow at Coltsville	Location	Turbidity		
			Average	High	Low
4/30/2003	65	Upstream of Lyman Street Bridge	5.5	7.4	4.7
		Upstream of Elm Street Bridge	25.0	26.3	23.2

Notes:

Turbidity Action Level - Average Downstream (Elm Street) \geq Average Upstream (Lyman Street) + 50 ntu

cfs - Cubic feet per second

ntu - nephelometric turbidity units

Measurements collected using YSI 6200 Data Acquisition System using 600 OMS

sonde with a 6136 Turbidity Probe

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

Negative values are attributed to +/- 2ntu accuracy of the turbidity probe

**Table 9 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Location	Date	Estimated Flow (cfs)	Turbidity			Water Temp. (°C)	Water Temp. End(°C)	Calculated Flow Beginning (cfs)	Calculated Flow End (cfs)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)
			High	Low	Daily Average							
Upstream of Newell St. Bridge	03/19/03	257	---	---	---	1.50**	3.00**	193.5	210.4	H0-SW000054-0-3M19	ND(0.013)	ND(0.013)
Downstream of Lyman St. Bridge	03/19/03	257	7.8	3.6	5.9	1.52*	---	---	---	H2-SW000055-0-3M19	ND(0.014)	ND(0.013)
Upstream of Elm St. Bridge	03/19/03	257	28.0	18.8	21.4	---	---	---	---	---	---	---
Downstream of Pomeroy Ave. Bridge	03/19/03	257	---	---	---	1.25**	3.25**	321.8	334.8	H2-SW000052-0-3M19	0.05	ND(0.013)
Upstream of Newell St. Bridge	03/27/03	632	---	---	---	2.50**	5.00**	653.5	583.8	H0-SW000054-0-3M27	ND(0.013)	ND(0.014)
Downstream of Lyman St. Bridge	03/27/03	632	11.3	6.3	7.9	2.68*	---	---	---	H2-SW000055-0-3M27	ND(0.013)	ND(0.012)
Upstream of Elm St. Bridge	03/27/03	632	5.9	2.3	4.1	---	---	---	---	---	---	---
Downstream of Pomeroy Ave. Bridge	03/27/03	632	---	---	---	3.50**	6.00**	1208.0	1134.0	H2-SW000052-0-3M27	0.033	ND(0.013)
Upstream of Newell St. Bridge	04/08/03	172	---	---	---	1.00**	2.00**	117.0	133.4	H0-SW000054-0-3A08	ND(0.013)	ND(0.013)
Downstream of Lyman St. Bridge	04/08/03	172	9.7	4.0	6.2	1.19*	---	---	---	H2-SW000055-0-3A08	ND(0.013)	ND(0.013)
Upstream of Elm St. Bridge	04/08/03	172	7.6	-1.7	1.0	---	---	---	---	---	---	---
Downstream of Pomeroy Ave. Bridge	04/08/03	172	---	---	---	1.00**	2.00**	284.1	297.0	H2-SW000052-0-3A08	0.079	ND(0.013)
Upstream of Newell St. Bridge	04/23/03	120	---	---	---	8.50**	9.00**	69.2	66.1	H0-SW000054-0-3A23	---	---
Downstream of Lyman St. Bridge	04/23/03	120	10.5	7.3	8.3	9.14*	---	---	---	H2-SW000055-0-3A23	NR	NR
Upstream of Elm St. Bridge	04/23/03	120	19.3	8.7	11.5	---	---	---	---	---	---	---
Downstream of Pomeroy Ave. Bridge	04/23/03	120	---	---	---	8.75**	9.00**	137.8	134.9	H2-SW000052-0-3A23	NR	NR

Notes:

PCB Action Level - Downstream (Pomeroy Avenue) ≥ Upstream (Lyman Street) + 5 ug/L

ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.

cfs - Cubic feet per second

ntu - nephelometric turbidity units

--- - No data obtained

* - Temperature measured YSI 600 oms system.

** - Temperature measured using hand held stainless steel thermometer.

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

Water column samples are collected manually as 4 part grab samples.

Two flow values calculated, one at the beginning of the sampling event and one at the end of sampling event.

NR - Not yet reported

03/27/03 water column sampling was conducted during the high river flow

TSS (mg/l)
15.3
6.9

9.1
10.8
8.6

4.7
4.6
5.2

6.3

NR

NR

**Table 10 - PCB Air Sampling Results
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in $\mu\text{g}/\text{m}^3$)

Sample ID	Location*	Date Collected	Aroclor 1016, & 1242	Aroclor 1221, 1232, & 1248	Aroclor 1254	Aroclor 1260
H2-AR000007-0-3M28	background	3/28/2003	ND(0.00244)	ND(0.00244)	ND(0.00244)	ND(0.00244)
H2-AR000015-0-3M28	AR000015	3/28/2003	ND(0.00391)	ND(0.00391)	ND(0.00391)	ND(0.00391)
H2-AR000018-0-3M28	AR000018	3/28/2003	ND(0.00250)	ND(0.00250)	ND(0.00250)	ND(0.00250)
H2-AR000018-1-3M28 (duplicate)	AR000018	3/28/2003	ND(0.00253)	ND(0.00253)	ND(0.00253)	ND(0.00253)
H2-AR000019-0-3M28	AR000019	3/28/2003	ND(0.00258)	ND(0.00258)	ND(0.00258)	ND(0.00258)
H2-AR000020-0-3M28	AR000020	3/28/2003	ND(0.00591)	ND(0.00591)	ND(0.00591)	ND(0.00591)
H2-AR000007-0-3Y01	background	5/1/2003	NR	NR	NR	NR
H2-AR000018-0-3Y01	AR000018	5/1/2003	NR	NR	NR	NR
H2-AR000018-1-3Y01 (duplicate)	AR000018	5/1/2003	NR	NR	NR	NR
H2-AR000021-0-3Y01	AR000021	5/1/2003	NR	NR	NR	NR
H2-AR000022-0-3Y01	AR000022	5/1/2003	NR	NR	NR	NR
H2-AR000023-0-3Y01	AR000023	5/1/2003	NR	NR	NR	NR

Notes:

Notification Level: $0.05\mu\text{g}/\text{m}^3$

Action Level: $0.1\mu\text{g}/\text{m}^3$

NR - Not yet reported

* - See Figure 1 for locations

Total PCBs
ND(0.00244)
ND(0.00391)
ND(0.00250)
ND(0.00253)
ND(0.00258)
ND(0.00591)
NR
NR
NR
NR
NR
NR

**Table 11 - Equipment Confirmatory Wipe Samples
April 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in $\mu\text{g}/100\text{ cm}^2$)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000040-0-3A30	30-Apr-03	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000041-0-3A30	30-Apr-03	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000042-0-3A30	30-Apr-03	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000043-0-3A30	30-Apr-03	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Notes:

PCB Action Level - $10.0\text{ }\mu\text{g}/100\text{ cm}^2$

ND(0.5) - Analyte was not detected. The value in parentheses is the associated detection limit.